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Produktinformation

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- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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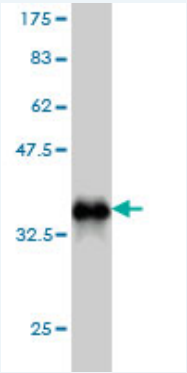
NOTCH3 monoclonal antibody (M01), clone 1G5

Catalog # : H00004854-M01 **規格 :** [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant NOTCH3.
Immunogen:	NOTCH3 (NP_000426, 47 a.a. ~ 156 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	SPCANGGRCTQLPSREAACLCPPGWVGERCQLEDPCHSGPCAGRGV CQSSVVAGTARFSCRCPRGFRGPDCSLPDPCLSSPCAHGARCSVGPD GRFLCSCPPGYQGRSCR
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.84 KDa) .

Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Datasheet:	Download

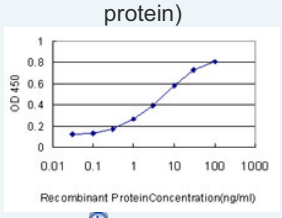
Publication Reference

1. Von Willebrand Factor Inhibits Mature Smooth Muscle Gene Expression through Impairment of Notch Signaling.
   Meng H, Zhang X, Lee SJ, Wang MMPLoS One. 2013 Sep 23;8(9):e75808. doi: 10.1371/journal.pone.0075808.
2. Functional analysis of the Notch ligand Jagged1 missense mutant proteins underlying Alagille syndrome.
   Tada M, Itoh S, Ishii-Watabe A, Suzuki T, Kawasaki N.FEBS J. 2012 Apr 6. doi: 10.1111/j.1742-4658.2012.08595.x. [Epub ahead of print]
3. Bidirectional encroachment of collagen into the tunica media in cerebral autosomal

Application Image

Western Blot (Recombinant protein)

Sandwich ELISA (Recombinant protein)



enlarge

ELISA

dominant arteriopathy with subcortical infarcts and leukoencephalopathy.
Dong H, Blaivas M, Wang MM.Brain Res. 2012 Mar 23. [Epub ahead of print]

4. Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy Affecting an African American Man: Identification of a Novel 15-Base Pair NOTCH3 Duplication.
Lee SJ, Meng H, Elmadhoun O, Blaivas M, Wang MM.Arch Neurol. 2011 Dec;68(12):1584-6.

5. Transendocytosis is impaired in CADASIL-mutant NOTCH3.
Watanabe-Hosomi A, Watanabe Y, Tanaka M, Nakagawa M, Mizuno T.Exp Neurol. 2011 Oct 28.

6. Thrombospondin2 potentiates notch3/Jagged1 signaling.
Meng H, Zhang X, Hankenson KD, Wang MM.J Biol Chem. 2009 Mar 20;284(12):7866-74. Epub 2009 Jan 15.

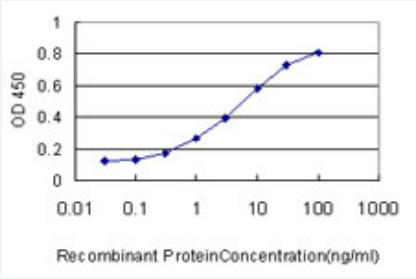
7. Identification of Pbx1, a Potential Oncogene, as a Notch3 Target Gene in Ovarian Cancer.
Park JT, Shih IeM, Wang TL.Cancer Res. 2008 Nov 1;68(21):8852-60.

Applications

Western Blot (Recombinant protein)

Protocol Download

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged NOTCH3 is approximately 0.03ng/ml as a capture antibody.

Protocol Download

ELISA

Gene Information

Entrez GeneID: 4854

GeneBank Accession#: NM_000435

Protein Accession#: NP_000426

Gene Name: NOTCH3

Gene Alias: CADASIL,CASIL

Gene Description: Notch homolog 3 (Drosophila)

Omim ID: 125310, 600276

Gene Ontology: Hyperlink

Gene Summary: This gene encodes the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been

identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL). [provided by RefSeq

Other Designations: Notch homolog 3

Gene Pathway

Dorso-ventral axis formation Notch signaling pathway

Related Disease

Brain Infarction Brain Ischemia CADASIL Cardiovascular Diseases Cerebral Hemorrhage Cerebral Infarction Cerebrovascular Accident Cerebrovascular Disorders Chromosome Aberrations Cleft Lip Cleft Palate Cognition Disorders Dementia Dementia, Multi-Infarct Diabetes Mellitus, Type 2 Disease Progression Dominance, Cerebral Edema Genetic Predisposition to Disease

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